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## (54) IMPACE DAMPING DEVICE OF VEHICLE

### (57) Abstract:

**PROBLEM TO BE SOLVED:** To surely protect a walker in the collision with the walker by controlling the damping force so as to be weakened through a damping force variable mechanism on the basis of the information from a human body detecting means.

**SOLUTION:** A human body judging means 6C collectively performs the recognition of the rough form of an object seemed to be a human body by an infrared camera 6A and the size of the object in an infrared sensor 6B. A controller 7 has a control means 7A for controlling a damping force variable mechanism 5. Further, a vehicle has a vehicle speed detecting means 8 for detecting the vehicle speed, and the detection result by the human body detecting means 6 and the detected vehicle speed information by the vehicle speed

detecting means 8 are inputted to the control means 7A. In the control means 7A, the damping force variable mechanism 5 is controlled to weaken the damping force of an impact absorbing damper when an opposed object is judged to be a human body by the human body detecting means 6 in a vehicle speed area where the vehicle speed is judged to be a prescribed value or lower from the information from the vehicle speed detecting means 8.

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